### CORRECTED VERSION

# (19) World Intellectual Property Organization International Bureau



PCT



### (43) International Publication Date 15 September 2005 (15.09.2005)

# (10) International Publication Number

(51) International Patent Classification:

A61K 31/00 (2006.01) G01N 33/68 (2006.01) A61K 39/00 (2006.01) A61K 38/00 (2006.01) C07K 14/72 (2006.01)

(21) International Application Number:

PCT/IB2005/000382

(22) International Filing Date:

14 February 2005 (14.02.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data: 60/548,719 27 February 2004 (27.02.2004)

- (71) Applicant (for JP only): PFIZER JAPAN, INC. [JP/JP]; Shinjuku Bunka Quint Bldg., 3-22-7, Yoyogi, Shibuya-ku, Tokyo 151-8589 (JP).
- (71) Applicant (for all designated States except JP, US): PFIZER INC. [US/US]; 235 East 42nd Street, New York, NY 10017 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): TANIGUCHI, Yasuhito [JP/JP]; Pfizer Global Research and Development, 2, Aza 5-gochi, Taketoyo-cho, Chita-gun, Aichi-ken 470-2393 (JP). KACHI, Hiroko [JP/JP]; Pfizer Global Research and Development, 2, Aza 5-gochi, Taketoyo-cho, Chita-gun, Aichi-ken 470-2393 (JP). TOMOTOSHI, Kimihiko [JP/JP]; Pfizer Global Research and Development, 2, Aza 5-gochi, Taketoyo-cho, Chita-gun, Aichi-ken 470-2393 (JP). SHINJO, Katsuhiro [JP/JP]; Pfizer Global Research and Development, 2, Aza 5-gochi, Taketoyo-cho, Chita-gun, Aichi-ken 479-2393 (JP). KOMADA, Tohru [JP/JP]; Pfizer Global Research and Development, 2, Aza 5-gochi, Taketoyo-cho, Chita-gun, Aichi-ken 479-2393 (JP).

(74) Agents: FULLER, F., Grover, Jr. et al.; Pfizer Inc., 201 Tabor Road, Morris Plains, NJ 07950 (US).

WO 2005/085867 A3

- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

#### Published:

- with international search report
- (88) Date of publication of the international search report: 20 April 2006
- (48) Date of publication of this corrected version:

22 June 2006

(15) Information about Correction:

see PCT Gazette No. 25/2006 of 22 June 2006

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

- (54) Title: SCREENING METHOD FOR EMULATORS OF NEURAL ACTIVITY AND DIGESTIVE SYSTEM USING GPR35
- (57) Abstract: The present invention primarily relates to function analysis of GPR35, an orphan GPCR (G protein coupled receptor), a screening method to identify modulators (agonists/antagonists) of the receptor, cells stably expressing the receptor, and the discovery of modulators of the receptor. The present invention also relates to novel rat GPR35.

